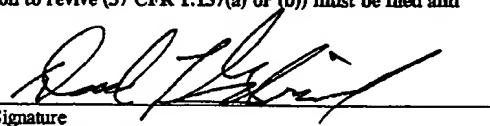


FORM PTO-1390 (REV 10-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		BEN02 P-345	
INTERNATIONAL APPLICATION NO PCT/US00/01499		INTERNATIONAL FILING DATE 21 January 2000	PRIORITY DATE CLAIMED 22 January 1999
TITLE OF INVENTION VACUUM-INSULATED EXHAUST TREATMENT DEVICES WITH RADIALLY-EXTENDING SUPPORT STRUCTURES			
APPLICANT(S) FOR DO/EO/US BIEL, John P., Jr., HILL, Frederick B., Jr., MEWS, Lance, RIGSBY, Donald R.			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. <input checked="" type="checkbox"/></p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <input checked="" type="checkbox"/> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input checked="" type="checkbox"/> b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. <input checked="" type="checkbox"/> c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). <input checked="" type="checkbox"/></p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <input type="checkbox"/> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input checked="" type="checkbox"/> b. <input checked="" type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> d. <input type="checkbox"/> have not been made and will not be made. <input checked="" type="checkbox"/></p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)) <input checked="" type="checkbox"/></p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>			
Items 11. to 16. below concern other document(s) or information included:			
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 and copies of information referenced.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter. (See attached Declaration and Power of Attorney for Patent Application)</p> <p>16. <input checked="" type="checkbox"/> Other items or information: Authority to Charge Deposit Account, Return Postcard</p>			

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/889620		INTERNATIONAL APPLICATION NO. PCT/US00/01499		BEN02 P-345																															
17. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS	PTO USE ONLY																														
<p>Basic National Fee (37 CFR 1.492(a)(1)-(5)): <input type="checkbox"/></p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$ 860.00</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(s)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... \$ 1000.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$ 710.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... \$ 690.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)..... \$ 100.00</p>																																			
ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 690.00																																			
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p>																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Claims</th> <th style="text-align: left; padding: 2px;">Number Filed</th> <th style="text-align: left; padding: 2px;">Number Extra</th> <th style="text-align: left; padding: 2px;">Rate</th> <th colspan="2" style="text-align: left; padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Total 23 Claims</td> <td style="padding: 2px;">- 20 =</td> <td style="padding: 2px;">-3-</td> <td style="padding: 2px;">x \$18.00</td> <td style="padding: 2px;">\$ 54.00</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Independent 4 Claims</td> <td style="padding: 2px;">- 3 =</td> <td style="padding: 2px;">-1-</td> <td style="padding: 2px;">x \$80.00</td> <td style="padding: 2px;">\$ 80.00</td> <td style="padding: 2px;"></td> </tr> <tr> <td colspan="3" style="padding: 2px;">Multiple dependent claim(s) (if applicable)</td> <td style="padding: 2px;">+ \$270.00</td> <td style="padding: 2px;">\$ 0</td> <td style="padding: 2px;"></td> </tr> <tr> <td colspan="6" style="text-align: center; padding: 2px;">TOTAL OF ABOVE CALCULATIONS = \$ 824.00</td> </tr> </tbody> </table>						Claims	Number Filed	Number Extra	Rate			Total 23 Claims	- 20 =	-3-	x \$18.00	\$ 54.00		Independent 4 Claims	- 3 =	-1-	x \$80.00	\$ 80.00		Multiple dependent claim(s) (if applicable)			+ \$270.00	\$ 0		TOTAL OF ABOVE CALCULATIONS = \$ 824.00					
Claims	Number Filed	Number Extra	Rate																																
Total 23 Claims	- 20 =	-3-	x \$18.00	\$ 54.00																															
Independent 4 Claims	- 3 =	-1-	x \$80.00	\$ 80.00																															
Multiple dependent claim(s) (if applicable)			+ \$270.00	\$ 0																															
TOTAL OF ABOVE CALCULATIONS = \$ 824.00																																			
<p>Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).</p>																																			
SUBTOTAL = \$																																			
<p>Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p>																																			
TOTAL NATIONAL FEE = \$ 824.00																																			
<p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ 40.00</p>																																			
TOTAL FEE ENCLOSED = \$ 864.00																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; text-align: right; padding: 2px;">Amount to be:</td> <td style="width: 40%; text-align: right; padding: 2px;">\$</td> </tr> <tr> <td colspan="2" style="text-align: right; padding: 2px;">refunded</td> </tr> <tr> <td colspan="2" style="text-align: right; padding: 2px;">charged \$</td> </tr> </table>						Amount to be:	\$	refunded		charged \$																									
Amount to be:	\$																																		
refunded																																			
charged \$																																			
<p>a. <input checked="" type="checkbox"/> Checks in the amounts of \$824.00 (filing fee) and \$40.00 (assignment fee) to cover the above fees are enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 16-2463 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-2463. A duplicate copy of this sheet is enclosed.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>																																			
<p>SEND ALL CORRESPONDENCE TO:</p> <p>Price, Henneveld, Cooper, DeWitt & Litton 695 Kenmoor, S.E. P.O. Box 2567 Grand Rapids, MI 49501</p>																																			
 <p>Signature Daniel L. Girdwood Name 34,827 Registration Number</p>																																			